

1 ABSTRACT

2 A means and method are disclosed for multiplexing a plurality of samples from multiple
3 sprayer devices to be efficiently transferred to a mass analyzer for subsequent analysis. Sample
4 sprays are formed from a plurality of sprayers, which are desolvated to form the sample ions.
5 The sample ions are then selected from one of the sprayers for transportation into a mass
6 analyzer. To accomplish this, the apparatus of the invention comprises a multi-part capillary
7 wherein a first section thereof is connected to a motor which is able to move this first section
8 from one sprayer to the next. This first section may be a flexible tube-like structure loosely
9 mounted in an aperture of a cone-shaped end of a motor which rotates such that the sampling
10 orifice may be aligned with different sprayers at different times to sequentially and repetitively
11 sample ions produced by each of the plurality of sprayers.